



YOSHIMURA

RESEARCH&DEVELOPMENT OF AMERICA, INC.

5420 DANIELS STREET SUITE A, CHINO CA 91710 · (800)634-9166 · (909)628-4722 · FACSIMILE (909)591-2198

www.yoshimura-rd.com

PIM II (EMS Peripheral Interface Module)

Kawasaki

2011

KX 250F

R-433-2428 PERIPHERAL INTERFACE MODULE



Note: Read through all instructions before beginning installation.



THIS PRODUCT IS INTENDED FOR USE ONLY IN CLOSED COURSE RACING OR
OTHER OFF ROAD COMPETITION AND NEVER ON PUBLIC ROADS OR
HIGHWAYS



Installation by Qualified Technician Installation Only

NOTE: IN THE STATE OF CALIFORNIA, IT IS ILLEGAL TO MODIFY THE EMISSION CONTROL SYSTEM. WHICH INCLUDES THE FUEL INJECTION SYSTEM OF ANY VEHICLE.

Installation Steps:

- 1 Make sure the motorcycle is off and cooled down before beginning installation of the PIM II.
- 2 Remove seat, radiator shrouds, and tank as per the factory service manual
- 3 Lay harness inside frame as shown in Fig. 1.
- 4 Unbolt top subframe bolts and loosen bottom subframe bolts as shown in Fig. 2. Route main connector beneath frame, through the clear shroud, and into airbox as shown. Reinstall subframe bolts and tighten as per service manual.
- 5 Disconnect Crank Position Connectors and Power Connectors. Connect PIM2 harness connectors for Crank Position and Power Source to OEM connectors as shown in Fig. 3.
- 6 Unbolt bracket bolt as shown in Fig. 4 and bolt ground lug to bracket.
- 7 Disconnect injector connector and connect PIM2 injector connectors to harness and injector as shown in Fig. 1.
- 8 Route TPS connector between frame and air box. Disconnect OEM TPS connector and connect PIM2 TPS connectors to TPS and connector as shown in Fig 5.
- 9 Route main harness near air filter as shown in Fig 2.

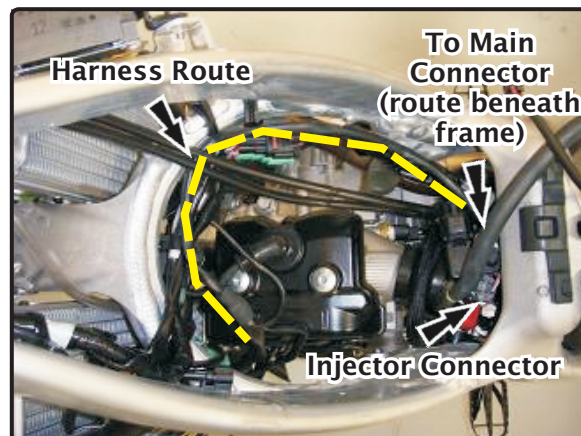


Fig. 1

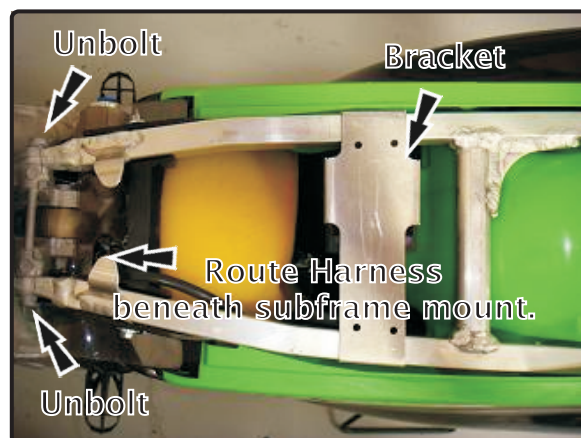


Fig. 2

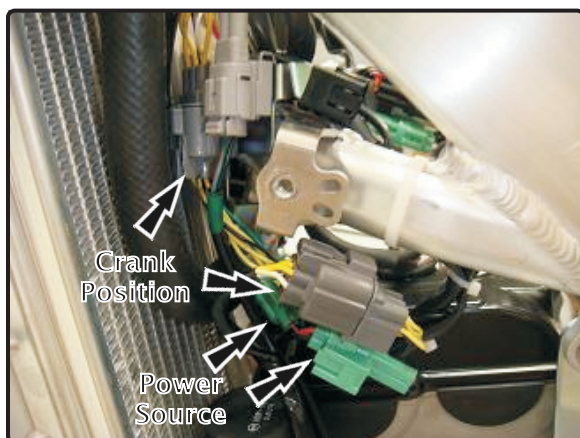


Fig. 3

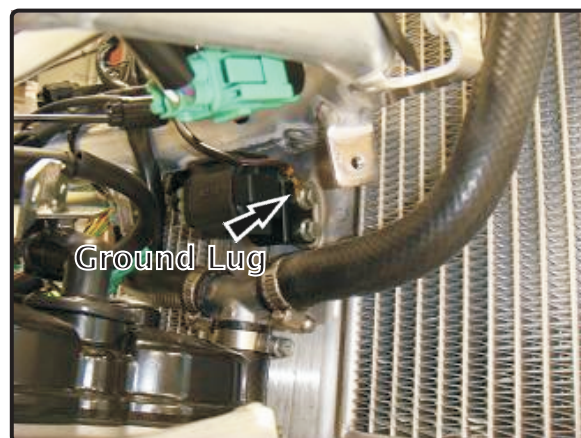
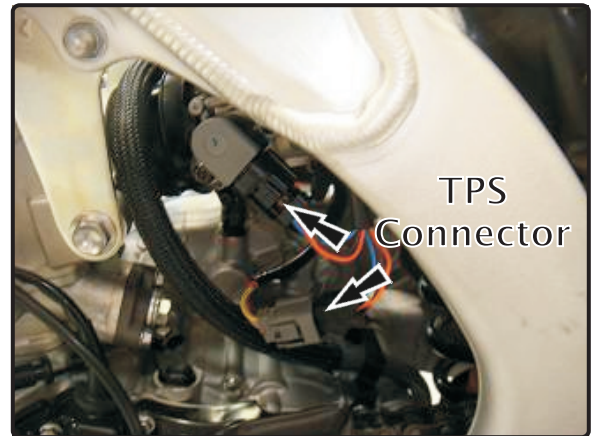
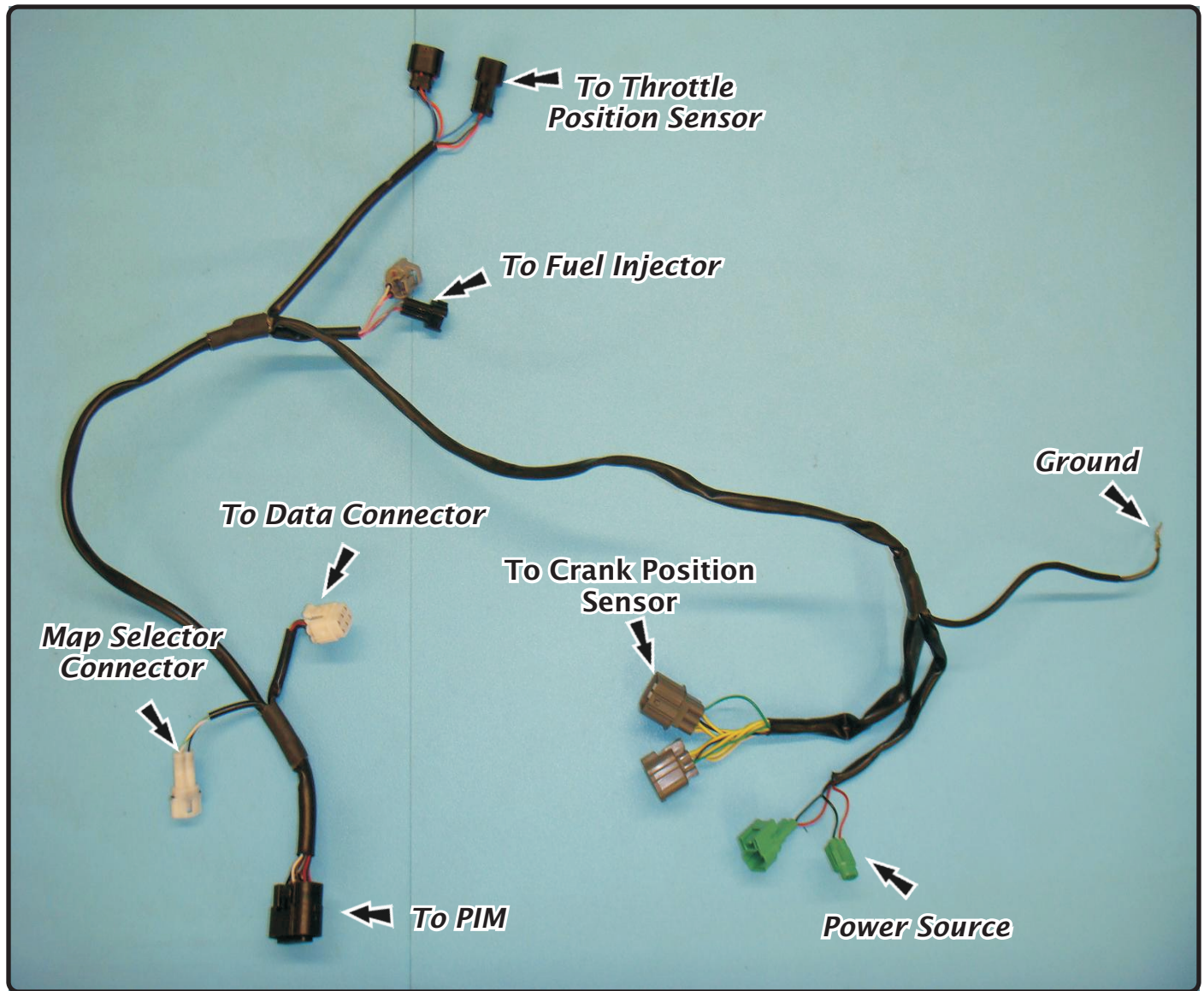


Fig. 4

- 10 Attach supplied Hook-&-Loop adhesive to Yoshimura PIM bracket and bottom of the PIM. Connect the black PIM harness plug into the PIM.
- 11 Attach the PIM bracket to the subframe using the cable ties provided.
- 12 Check that all wiring connections are tight. Use remaining cable ties to secure wiring to OEM harness beneath tank.
- 13 Reinstall fuel tank, left and right side panels, and seat. Check that wiring is not pinched or kinked.
- 14 If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura technical department at (800)634-9166.

**Fig. 5**

**Parts list:**

DESCRIPTION	QTY	PART #
PIM	1	R-433B
PIM Harness	1	R-433-2428-HB
Aluminum Bracket	1	R-433-2428-BRKT
USB Cable	1	R-433-USB
PIM2 Software CD	1	R-433-CD
Yoshimura USA sticker	2	17029
Hook-&-Loop Adhesive	1	5000-V
Cable Tie	8	ZT-300
Instructions	1	INST KIT

Operation Steps:

The PIM comes with two preprogrammed maps. Map 1 is when the motorcycle has a Yoshimura slip-on exhaust system with spark arrester installed. Map 2 is when the motorcycle has a Yoshimura full exhaust system with spark arrester installed.

Use the map selector plug to switch between maps. Map 1 is active when the selector plug is connected (Fig. 13). Map 2 is active while the selector plug is disconnected (Fig. 14).

NOTE: Before connecting the map selector plug remove the map selector plug cover (Fig. 14).



Fig. 13

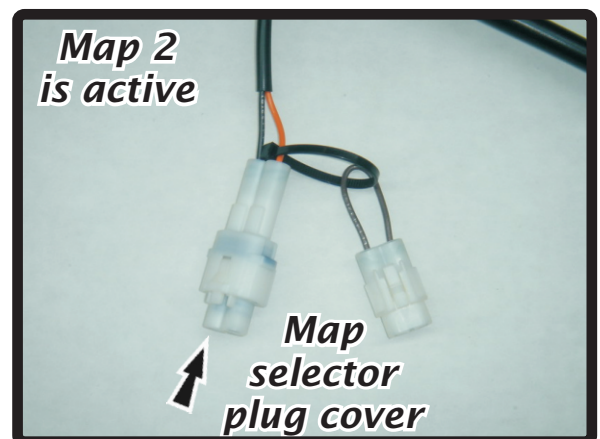


Fig. 14